

## Pneumatic spring with intermediate locking

**Patent number:** DE3826862  
**Publication date:** 1990-02-15  
**Inventor:** ENDERS STEPHAN DIPL ING (DE)  
**Applicant:** STABILUS GMBH (DE)  
**Classification:**  
**- international:** E05C17/00; E05C17/30; F16F9/02  
**- european:** A47C3/30, F16F9/02B5  
**Application number:** DE19883826862 19880808  
**Priority number(s):** DE19883826862 19880808

### Abstract of DE3826862

The intention is to provide a pneumatic spring with intermediate locking which can be set without problems to an intermediate locking position. This pneumatic spring is to be simple in construction and to have components for intermediate locking which are economical to produce and easy to assemble. In a known arrangement for this purpose, components that engage in one another by means of at least one recess and one projection are arranged both on the piston rod and on the cylinder and can be rotated relative to one another to provide intermediate locking. According to the invention, a very advantageous and elegant design of the pneumatic spring is provided by virtue of the fact that a bush connected to the piston rod is in effective connection with a sleeve attached to the cylinder for the selectable limitation of the extension movement of the piston rod out of the cylinder.

---

Data supplied from the **esp@cenet** database - Worldwide